GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:1093
ANSWERED ON:01.03.2006
WATER CRISIS IN RESERVOIRS
Patle Shri Shishupal Natthu;Shiwankar Shri Maha Deo Rao

Will the Minister of POWER be pleased to state:

(a) whether reservoirs of the country which generate more than 60 megawatt power are facing water crisis;

(b) if so, the total number of reservoirs where water crisis is prevailing along with the time since when these projects are facing water crisis;

(c) the estimated megawatts of power which could not be generated annually on account of the said crisis; and

(d) the corrective steps taken/proposed to be taken by the Union Government in this regard?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF POWER (SHRI SUSHILKUMAR SHINDE)

(a) & (b) : As per the storage position of the 23 reservoirs monitored by Central Electricity Authority, four reservoirs namely Rihand, R.P. Sagar, Gandhisagar & Rengali are having storage less than ten years` average storage. The storage position of other reservoirs is comfortable as compared to ten years` average. The details of storage position of reservoirs as on 17.2.2006 is given at Annexure.

(c) : The shortfall in generation due to water crisis in the above four reservoirs from April, 2005 to January, 2006 is 478 MU is furnished below:-

Name of the reservoir	Generation target (MU) (April 2005-Jan., 2006) (April 2005 – Jan., 2006) (MU)	Actual generation (MU)	Shortfall in generation
R.P. Sagar	503	453	50
Rihand	939	648	291
Gandhi Sagar	235	129	106
Rengali	658	627	31

(d) : The inflow into the reservoirs and their storage depends on the rainfall during South-West monsoon / snow melt. Though the generation from the above four reservoirs based stations is low, the overall generation from reservoir based hydro stations during the current year upto January, 2006 was 36,694 MU which is 21 % higher than the generation target of 30,202 MU. In case of shortage of water due to water crisis, the shortfall in generation from hydro-electric stations could be made up by maximizing the generation from thermal power stations.

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1093 TO BE ANSWERED IN THE LOK SABHA ON 01.03.2006.

Storage Position of Major Reservoirs as on 17.2.2006

Sl. No	Name of Organisations	Name of Reservoirs	Installed Capacity (MW)	FRL (ft)	MDDL (ft)	Target from April 05 to Jan 06 (MU)	Actual Generation from April 05 to Jan 06 (MU)	% achievement over target	Storage as % of live capacity at FRL as on 17.02.2006		Level (in feet)	
									Current year	Last 10 Years` Average	As on 17.02.06	As on 17.02.05
1	BBMB	BHAKRA	1354.5	1685.00	1462.00	5194.00	5904.00	113.67	49	30	1605.51	1532.72

	PONG	360	1400.00	1260.00	1077.00	1430.00	132.78	47 42	1342.62	1317.80
2	PSEB	RANJIT SAGAR	600	1731.97	1600.74	1050.00	1915.00	182.38	20 6	1626.65	1631.41
3	RRUVNL	RP/ J. SAGAR	271	1157.50	1125.00	503.00	453.00	90.06	19 35	1133.94	1148.58
4	UPHPC	RIHAND/OBRA	399	880.00	830.00	939.00	647.00	68.90	26 47	845.00	841.98
5	UTRCHL	RAMGANGA	198	1200.79	1039.00	127.00	207.00	162.99	45 40	1133.91	1120.20
	S E B.										
6	G E B	UKAI	300	345.00	270.00	597.00	482.00	80.74	62 52	325.39	315.28
7	MPEB	G. SAGAR	115	1312.00	1250.00	235.00	128.00	54.47	2 21	1252.86	1269.41
8	MSEB	KOYNA	1920	2158.50	2000.00	2376.00	3902.00	164.23	59 60	2118.50	2121.00
9	APGENCO	MACHKUND	114.75	2750.00	2685.00	592.00	528.00	89.19	70 52	2738.52	2729.46
		N.J. SAGAR	810	590.00	513.00	1185.00	1835.00	154.85	58 21	554.78	502.19
		SRISAILAM	770	885.00	805.00	1890.00	3256.00	172.28	60 49	862.49	849.50
10	KPCL	SHARAVATHY	1011	1819.00	1715.00	3826.00	4458.00	116.52	60 39	1798.37	1786.89
		SUPA	910	1850.39	1684.71	1801.00	1741.00	96.67	68 31	1811.30	1746.04
11	K.S.E.B.	IDUKKI	780	2403.00	2280.00	1543.00	1975.00	128.00	67 45	2372.84	2345.97
		SABRIGIRI	300	3220.00	2980.00	834.00	1234.00	147.96	76 52	3193.99	3162.43
		IDAMALAYAR	75	554.46	377.30	225.00	294.00	130.67	64 50	510.46	483.13
12	T.N.E.B.	METTUR	360	790.00	693.01	636.00	1044.00	164.15	87 38	782.27	725.32
13	OHPC	HIRAKUD	307.5	630.00	590.00	913.00	830.00	90.91	71 66	620.87	618.79
		BALIMELA	360	1516.00	1440.00	964.00	805.00	83.51	39 25	1478.40	1469.21
		RENGALI	250	405.00	359.97	658.00	627.00	95.29	52 61	388.15	387.59
		U. INDRAVATI	600	2106.30	2050.52	1739.00	1424.00	81.89	62 57	2088.10	2080.68
		UPPER KOLAB	320	2814.98	2769.05	473.00	509.00	107.61	53 42	2798.16	2799.38